

AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [0030] as follows:

[0030] The mixer 2 has a support plate 10 rotatably mounted onto a driving shaft 6 about a first axis 8 of rotation. A stationary ring gear 12 is coaxially mounted around the support plate 10 and has a portion 16 extending over the support plate 10. Preferably, the ring gear 12 has teeth 13 located on its inner surface 24. The support plate 10 is driven into rotation by the driving shaft 6. A motor unit 14 is operatively coupled to the driving shaft 6 in a driving engagement therewith.

Please amend paragraph [0031] as follows:

[0031] The mixer 2 also has at least one pinion gear 18 rotatably mounted ~~onto~~ to the support plate 10 about a second axis 20 of rotation parallel to the first axis 8 of rotation. The pinion gear 18 has an outer surface 22 complementary with the inner surface 24 of the ring gear 12. The inner surface 24 and the outer surface 22 mesh together. Upon rotation of the driving shaft 6, the support plate 10 rotates in a direction depicted by arrow 26, and the pinion gear 18 rotates on itself about the second axis of rotation 20, but in a direction opposed to a rotation of the support plate 10, as depicted by arrow 28. The pinion gear 18 is preferably mounted onto the support plate 10 near the outer perimeter of the same to be submitted to a greater centrifugal force. Although the ring gear 12 and the pinion gear 18 illustrated have teeth 13, 30, it will be understood that other meshing surfaces may be used instead.

Please amend paragraph [0032] as follows:

[0032] The pinion gear 18 has a cavity 32 wherein the compound to be mixed (or the product to be milled) is inserted. The pinion gear 18 may also have more than one cavity 32. Preferably, the cavity 32 is an upwardly opening cavity formed within the pinion gear 18. A container 4 containing the compound to be agitated and mixed is inserted in the cavity 32 in a tight-fitting manner, thus preventing great vibrations within the mixer 2. Of course, other securing devices, such as bolts and nuts (not shown), may be used for fixing the container 4 into the cavity 32 of the pinion gear 18. It is also possible to use an adaptor (not shown) to fit a smaller container 4 in a larger cavity 32. Instead of using the container 4, the cavity may be provided with a removable lid 32.

Please amend paragraph [0034] as follows:

[0034] At least one pinion gear 18 ~~[[8]]~~ may be used for mixing compound(s) and/or milling product(s). However, in order to maximize the process, a plurality of ~~pinions-8~~ pinion gears 18 with containers 4 is used to allow simultaneous agitation and mixing/milling of one or more compounds/products. According to the pinion gear configuration chosen, it may be necessary to add some weight, to balance the support plate 10.

Please amend paragraph [0042] as follows:

[0042] To agitate and mix a compound using the bladeless mixer 2, the following steps may be performed: inserting the compound into a container 4; securing the container 4 into the cavity 32 of one of the pinion gears 18; agitating

and mixing the compound in the container 4 by actuating the motor unit 14 for a predetermined time, thereby obtaining a mixed compound; and removing the mixed compound from the container 4.

Please amend paragraph [0043] as follows:

[0043] Although the present invention has been explained hereinabove by way of preferred embodiments thereof, it should be pointed out that any modifications to these preferred embodiments within the scope of the appended claims are not deemed to alter or change the nature and scope of the present invention.

Please amend paragraph [0044] as follows:

[0044] For example, various containers 4 may be used depending of the compound to mix or product to mill. Mixing a compound or milling a product often creates a considerable amount of energy, therefore resulting in a potential explosion. The containers 4 may be design to prevent such explosion. Preferably, the containers 4 are airtight.